SBR No.95/23-24 DATED 29-02-2024

# CONTRACT CERTIFICATE

(For Other Works)

No.13 th Ra bill Date.....2023

Division: **Electricals** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-002-22-000008**

Schedule Docket No.Head of Account: **P0300 Replacement of fusedout streetlight bulbs,chokes etc**
D.R.No. : **Period:- 01-12-2023 to 31-12-2023(for 1 months)**
Name of Work :- **Annual Maintenance and repairs of street lights in ward no 02 Package Y -02 of Yelahanka Zone."**
Name of Contractor and Full Address:**M/S. Suraksha Electricals**
Reference to Agreement No:-EE/Ele/YZ/AG/000002/2022-23 Date:01/04/2022
Reference to Work order No:-EE/Ele/YZ/WO/000002/2023-24 Date:01/04/2022
**Supplymentary Work order No:-** EE/Ele/YZ/WO/000002/2023-24 Dated 01-04-2023

Certified that the measurements were taken by me on 06/01/24 and recorded of Pages 260603 to 260605 of measurement Book No. 2607/23-24 and that the work is satisfactorily executed.

For M/s. Suraksha Electricals

**Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 06/01/24 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore
**Sub-Division Officer**

II Memorandum of Payment

| | | |
|---|---|---|
| 1) Total value of work done or supplies made as per account within | Up.DT | 5396069:92 |
| 2) Deduct amount to be held in reserve being .....percent Rs..... | P.Bill | 5003680:22 |
| 3) " Balance | | |
| 4) Deduct Payment: | | |
| a) Amount of previous payment as in the Office Cash Book Voucher | | 392390:00 |
| No.....Dated.....S.D. No..... | Amount 1% | 3924:00 |
| adjusted towards cash advance recovery of | LWC 1% | 3924:00 |
| b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | CGST 1% | 3924:00 |
| | SGST 1% | 3924:00 |
| | CESS 1% | 392:00 |
| | Fine | 2500:00 |
| | Scrap 2% | 4596:00 |
| 5) Balance being unpaid value of work done held in reserve. | Deduction | 23184:00 |
| 6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. | | |
| 7) Net amount due to or from Contractor unadjustments items. | Total amount adjusted - | 369206:00 |
| 8) Advance to Contractor for materials brought to site (as detailed) within. | | |
| 9) Value of Government materials supplied. | | |

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

For M/s. Suraksha Electricals

(For use in the Office)

Witness
1.
2.

Stamp

P0300 Replacement of fusedout streetlight bulbs,chokes etc
ರೂ.392390:00 ಮೊತ್ತ ಮಂಜೂರಿ ಪ್ರಸ್ತಾವನೆ
ರೂ.369206:00 ಚೆಕ್ ಮೂಲಕ ಪಾವತಿಸಲು
ರೂ.23184:00 ಠೇವಣಿಗೆ ಜಮಾ

Dated Signature of Contractor
Paid by me by Cheque No.....Dt.....Dated.....
Cash Rs.....Dated.....
Initials of Officer making payment

**Executive Engineer**

| Sl. No. | Description of item | Unit |
|---|---|---|
| | **Name of Work :-**Annual Maintenance and repairs of street lights in ward no 02 Package Y -02 of Yelahanka Zone. | |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems. | Each |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems. | Each |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems. | Each |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 400 watts HPSV street light/High Mast lighting systems. | Each |
| 5 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems. | Each |
| 6 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems. | Each |
| 7 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems. | Each |
| 8 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system | Each |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| | | | 1 | Months | Upto Date paid so for 21 Months | | |
| 5 x 20 Months | 7425.60 | 5 | 57.12 | 285.60 | 5 x 21 Months | 7711.20 | |
| 109 x 20 Months | 137383.60 | 109 | 63.02 | 6869.18 | 109 x 21 Months | 144252.78 | |
| 2106 x 20 Months | 3577251.60 | 2106 | 84.93 | 178862.58 | 2106 x 21 Months | 3756114.18 | |
| 209 x 20 Months | 233670.36 | 0 | 93.17 | 0.00 | 209 x 21 Months | 233670.36 | |
| 223 x 20 Months | 327051.80 | 223 | 73.33 | 16352.59 | 223 x 21 Months | 343404.39 | |
| 198 x 20 Months | 378615.60 | 198 | 95.61 | 18930.78 | 198 x 21 Months | 397546.38 | |
| 0 x 20 Months | 0.00 | 0 | 114.80 | 0.00 | 0 x 21 Months | 0.00 | |
| 0 x 20 Months | 0.00 | 0 | 131.29 | 0.00 | 0 x 21 Months | 0.00 | |

| | | |
|---|---|---|
| 9 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each |
| 10 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole. | Nos |
| 11 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole. | Nos |
| 12 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) 100Amps 25kA. 3 Pole | Each |
| 13 | Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm | Each |
| 14 | Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Post Top Lantern with 35 watts | Nos |
| 15 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Nos |
| 16 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each |
| 17 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each |
| | TOTAL | |
| | Add GST 18 % = 12%+6% on item no 1-9 | 137789.00 |
| | | |
| | Total Rs item no 10-20 | |
| | Add GST 18 % on item no 10-17 | |
| | TOTAL Rs | |
| | Fine imposed for non burning of street lights For the period of 1/12/2023 to 31/12/2023 | |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material | |
| | GRAND TOTAL | |

Certificate

The above said monthly maintenance work has been carried out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 0 | 155.95 | 0.00 | 0 | 0.00 | |
| 49 | 26950.00 | 0 | 550.00 | 0.00 | 49 | 26950.00 | |
| 21 | 16170.00 | 0 | 770.00 | 0.00 | 21 | 16170.00 | |
| 8 | 36240.00 | 8 | 4530.00 | 36240.00 | 16 | 72480.00 | |
| 8 | 16432.00 | 8 | 2054.00 | 16432.00 | 16 | 32864.00 | |
| 10.00 | 64000.00 | 0 | 6400.00 | 0.00 | 10 | 64000.00 | |
| 7.00 | 50400.00 | 7 | 7200.00 | 50400.00 | 14 | 100800.00 | |
| 7 | 28210.00 | 7 | 4030.00 | 28210.00 | 14 | 56420.00 | |
| 9 | **6507.00** | 9 | 723.00 | 6507.00 | 18 | 13014.00 | |
| | **4906307.56** | | | **221300.73** | | **5265397.29** | |
| | 97372.66 | -12% | 26556.09 | 194744.64 | | 105870.61 | |
| | | 18% | 35054.04 | **229798.68** | | | |
| | | | | **137789.00** | | | |
| | | | | 24802.02 | | 24802.02 | |
| | **5003680.22** | | | **392389.70** | | **5396069.92** | |
| | 66800.00 | | | 2500.00 | | 69300.00 | |
| | 94587.64 | | | 4595.97 | | 99183.62 | |
| | **4842292.58** | | | **385293.72** | | **5227586.31** | |